

### Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

21. (Currently Amended) A particle ~~for removal of a toxic compound from a~~ subject, comprising:

- (a) a first region comprising reactive molecules, ~~wherein said reactive molecules act to transform said~~ that transform a toxic compound into a substantially inactive compound; and
- (b) a second region comprising a material ~~selected to~~ that partitions partition said toxic compound ~~from said subject~~ into said second region; wherein said partitioning results in a high local concentration of said toxic compound, wherein said first region is in contact with at least a portion of said second region.

22. (Previously presented) The particle of claim 21, wherein said reactive molecules are enzymes.

23. (Currently amended) The particle of claim 22, wherein said material that partitions said toxic compound into said second region is hydrophobic.

24. (Currently amended) The particle of claim 21, ~~wherein said second region is an oil core and said first region comprises a reactive molecule dispersed within said oil core, wherein a surface film encapsulates said oil core.~~ further comprising a surface film, wherein said material that partitions said toxic compound into said second region is an oil, wherein said surface film encapsulates said oil, and wherein said reactive molecules are dispersed in said oil.

25. (Currently Amended) The particle of claim 21, ~~wherein said second region is an liquid core and said first region comprises a reactive molecule dispersed within said liquid core, wherein an inorganic or polymer shell encapsulates said liquid core.~~ further comprising an inorganic or polymer shell, wherein said material that partitions said toxic compound into said second region is an oil, wherein said inorganic or polymer shell encapsulates said oil, and wherein said reactive molecules are dispersed in said oil.

26. (Previously presented) The particle of claim 25, wherein said inorganic or polymer shell is porous to said toxic compound.

27. (Currently Amended) The particle of claim 25, wherein said inorganic or polymer shell contains templated pores.

28. (Currently Amended) The particle of claim 21, ~~comprising a hollow tube open at least at one end, wherein said tube comprises an inorganic or polymer material and wherein said first region comprises a hydrophobic compound attached to an inside surface of said tubule and said second region comprises a reactive molecule attached to a surface of said tube.~~ said first region further comprising a hollow tube open at least at one end; wherein said hollow tube comprises an inorganic or polymer material; wherein said reactive molecules are attached to a surface of said tube and wherein said material that partitions said toxic compound is a hydrophobic compound attached to an inside surface of said tube.

29. (Previously presented) The particle of claim 28, wherein said inorganic material is silica.

30. (Previously presented) The particle of claim 28, wherein said hydrophobic compound is an alkyl compound.

31. (Previously presented) The particle of claim 21, wherein said particle has a size from approximately 1 to 200nm.

32. (Previously presented) The particle of claim 31, wherein said particle has a size from approximately 1 to 5nm.

33-42. (Withdrawn)